

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 13643 | 709/220,223-226.ccls.  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/07/08 16:23 |
| L2    | 12105 | 709/223-226.ccls.  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/07/08 16:29 |
| L3    | 157   | (dap (directory adj access adj protocol)).ab.  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/07/08 16:29 |
| L4    | 871   | (dap (directory adj access adj protocol)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/08 16:29 |
| L5    | 80205 | connection adj3 (information data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/08 16:29 |
| L6    | 1606  | L5 with collect\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/08 16:29 |
| L7    | 18    | L5 and L4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/08 16:29 |
| L8    | 9     | ("6052681"   "6061448"   "6085188"   "6161008"   "6347312"   "6356892"   "6360215"   "6366913").PN. OR ("6732160").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | OFF     | 2006/07/08 16:29 |
| L9    | 23    | mutual adj connection adj (information data)   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | OFF     | 2006/07/08 16:29 |
| L10   | 23    | mutual adj connection adj (information data)   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/07/08 16:29 |
| L11   | 22149 | connection adj (information data)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/07/08 16:29 |
| L12   | 6     | L11 and L4   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/07/08 16:29 |
| L13   | 3     | "504293".ap.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/07/08 16:29 |

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|     |       |  |                              |    |    |                  |
|-----|-------|--|------------------------------|----|----|------------------|
| L14 | 222   | L11 and (dap (directory adj access adj protocol))                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/08 16:29 |
| L15 | 110   | L14 and collect\$4 near3 (information data)                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/08 16:29 |
| L16 | 110   | L14 and collect\$4 near3 (information data)                              | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L17 | 42    | L16 and authent\$5   | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L18 | 1     | manag\$5 and collect\$5 and mutual adj connection adj (information data) | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L19 | 14    | mutual adj connection adj (information data)                             | USPAT                        | OR | ON | 2006/07/08 16:29 |
| L20 | 434   | connection adj (information data) with collect\$5                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/08 16:29 |
| L21 | 27    | L20 and retriev\$5 near4 manag\$5  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/07/08 16:29 |
| L22 | 12105 | 709/223-226.ccls. or 709/9,10.ccls.                                      | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L23 | 856   | L22 and connection adj (information data)                                | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L24 | 371   | L11 near12 collect\$5  | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L25 | 39    | L24 and L22  | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L26 | 9     | L25 and collect\$5 near connection adj (information data)                | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L27 | 53    | L24 and collect\$5 near connection adj (information data)                | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L28 | 3     | L27 and retriev\$5 near5 request\$5 with service                         | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L29 | 4     | L27 and retriev\$5 near5 request\$5                                      | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L30 | 13    | L27 and retriev\$5 with request\$5                                       | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L31 | 6     | L27 and retriev\$5 near information                                      | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L32 | 37    | L27 and retriev\$5   | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |
| L33 | 37    | L27 and retriev\$5 and request\$5  | US-PGPUB;<br>USPAT           | OR | ON | 2006/07/08 16:29 |

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|     |      |  |                              |    |     |                  |
|-----|------|--|------------------------------|----|-----|------------------|
| L34 | 3    | L27 and retriev\$5 and request\$5  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L35 | 0    | L8 and connection adj (data information)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L36 | 5    | L5 and L4  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L37 | 27   | ("5379419"   "5412804"   "5537590"   "5584024"   "5600831"   "5668987"   "5701400"   "5864842"   "5907837"   "5956706"   "5963933"   "5995961"   "6009428"   "6016499"   "6052681"   "6055562"   "6085188"   "6092062"   "6199062").PN. OR ("6356892").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L38 | 1    | L37 and connection adj2 (information data)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L39 | 25   | L37 and retriev\$5 near4 (service information data)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L40 | 7    | ("5442771"   "5787172"   "5812669").PN. OR ("6339827").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L41 | 9    | ("6052681"   "6061448"   "6085188"   "6161008"   "6347312"   "6356892"   "6360215"   "6366913").PN. OR ("6732160").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L42 | 12   | ("6052681"   "6085188"   "6161008"   "6347312"   "6356892"   "6366913").PN. OR ("6609121").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L43 | 16   | ("6014666"   "6101539"   "6157953"   "6208986"   "6339827"   "6366913"   "6366954").PN. OR ("6490619").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/08 16:29 |
| L44 | 99   | (dap (directory adj access adj protocol)).ab.  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L45 | 1    | L44 and analyz\$5 with result  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L46 | 16   | L44 and analyz\$5  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L47 | 6    | L46 and request\$5   | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L48 | 99   | (dap (directory adj access adj protocol)).ab.  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L49 | 33   | (dap (directory adj access adj protocol)).ab. and manag\$5   | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L50 | 4082 | (dap (directory adj access adj protocol))  | USPAT                        | OR | ON  | 2006/07/08 16:29 |

## EAST Search History

|     |       |  |                              |    |     |                  |
|-----|-------|--|------------------------------|----|-----|------------------|
| L51 | 45    | collect\$4 near3 connection adj information          | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L52 | 6     | L51 and L50  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L53 | 45    | collect\$4 near3 connection adj information          | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L54 | 1     | "6643778".pn.  | USPAT                        | OR | ON  | 2006/07/08 16:29 |
| L55 | 18470 | 707/10,100-104.1.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L56 | 29300 | 707/10,100-104.1.ccls. or 709/203-206.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L57 | 699   | L56 and (dap or (directory adj access adj protocol)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L58 | 25112 | distribut\$4 near6 manag\$5                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L59 | 63    | L58 same connection near information                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L60 | 42    | L57 and connection near information                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L61 | 14    | L60 and mang\$5                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L62 | 42    | L57 and connection near information                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/07/08 16:29 |
| L63 | 2271  | mutual near communication                            | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |
| L64 | 4     | L63 near collect\$5                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |
| L65 | 2474  | mutual near connection                               | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |
| L66 | 3     | L65 near collect\$5                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |
| L67 | 8     | mutual adj connection adj information                | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |
| L68 | 43    | collect\$5 near1 connection adj information          | US-PGPUB;<br>USPAT           | OR | OFF | 2006/07/08 16:29 |
| L69 | 44    | collect\$5 near1 connection adj information          | US-PGPUB;<br>USPAT           | OR | ON  | 2006/07/08 16:29 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| L70 | 1     | L69 and distribut\$5 near3 manag\$5                     | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L71 | 21    | L69 and distribut\$5 same manag\$5                      | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L72 | 27    | L69 and distribut\$5 and manag\$5                       | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L73 | 82    | collect\$5 adj3 connection adj<br>information           | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L74 | 52    | collect\$5 adj3 connection adj<br>information           | US-PGPUB  | OR | ON | 2006/07/08 16:29 |
| L75 | 109   | collect\$5 with connection adj<br>information           | US-PGPUB  | OR | ON | 2006/07/08 16:29 |
| L76 | 215   | collect\$5 same connection adj<br>information           | US-PGPUB  | OR | ON | 2006/07/08 16:29 |
| L77 | 2     | L76 and (dap or (directory adj<br>access adj protocol)) | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L78 | 18    | L76 and retriev\$5 near5 manag\$5                       | US-PGPUB  | OR | ON | 2006/07/08 16:29 |
| L79 | 18    | L76 and retriev\$5 near5 manag\$5                       | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L80 | 45    | L76 and retriev\$5 same manag\$5                        | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L81 | 45    | L76 and retriev\$5 same manag\$5                        | US-PGPUB  | OR | ON | 2006/07/08 16:29 |
| L82 | 0     | L76 and retriev\$5 same manag\$5                        | USPAT   | OR | ON | 2006/07/08 16:29 |
| L83 | 179   | collect\$5 same connection adj<br>information           | USPAT   | OR | ON | 2006/07/08 16:29 |
| L84 | 98    | L83 and retriev\$5                                      | USPAT   | OR | ON | 2006/07/08 16:29 |
| L85 | 5     | L84 and authenti\$5                                     | USPAT   | OR | ON | 2006/07/08 16:29 |
| L86 | 3     | "504293".ap.  | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/07/08 16:29 |
| L87 | 871   | (dap (directory adj access adj<br>protocol)).ab.        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/08 16:29 |
| L88 | 80205 | connection adj3 (information data)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/08 16:29 |
| L89 | 0     | L88 and L87 and signature near12<br>authenticat\$5      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/08 16:29 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| L90 | 1  | L88 and L87 and signature same authenticat\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/08 16:29 |
| L91 | 10 | (dap (directory adj access adj protocol)).ab. and request\$5 near12 retriev\$5                                | USPAT   | OR | ON | 2006/07/08 16:29 |
| L92 | 10 | (dap (directory adj access adj protocol)).ab. and request\$5 near12 retriev\$5 and retriev\$5 same request\$5 | USPAT   | OR | ON | 2006/07/08 16:29 |
| L93 | 10 | L92 and retriev\$5 and request\$5   | USPAT   | OR | ON | 2006/07/08 16:29 |